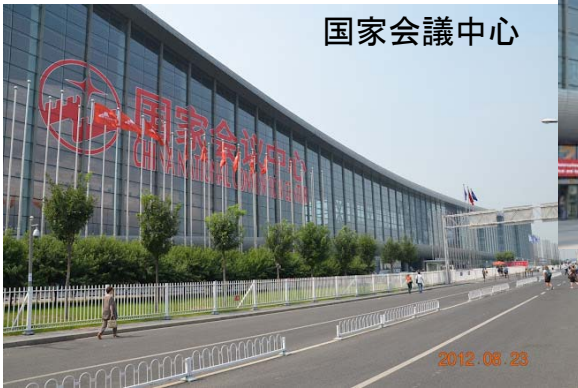
日本天文学会総会 (2012/9/20)

日本学術会議IAU分科会
委員長　岡 村 定 矩

IAU報告

第28回IAU総会報告　北京　2012/8/20-31

- 76の国と地域から3027人出席（中国721, 米 438, 独152, 英139, 日本127ー前回は65）
- 8 Symposia, 7 Joint Discussions, 18 Special Sessions
- 新たな加盟国：北朝鮮、エチオピア、カザフスタン （ベトナムは Prospective Member）
  新たな個人メンバー： 1006名（うち、米137, 中79, 日73, 仏64, 英40, 独39, 伊39）
- 海部宣男氏が新会長（2012-2015)
- 次回　ホノルル（2015/8/3-14)
  次々回　ウィーン

国家会議中心

パンケット会場は
「鳥の巣」の中の
レストラン

定款(Statutes)の改訂

- 二つの重要事項を担当する常置委員会を置くことにした（従来は、ー形式上ー総会で選ばれた委員会が総会毎に行っていた）

財政関連

a Finance Sub-Committee
↓
a standing Finance Committee

新入会員承認

a Nominating Committee
↓
a standing Membership Committee

not more than 8 members of different national affiliations, including a Chairperson, proposed by the National Members, and remains in office until the end of the next General Assembly.

- 電子投票制度の導入

  certain issues of a primarily scientific nature
  ↓
  electronic voting　　　総会終了後 31 日以内

・4つの科学的事項の決議

IAU Information Bulletin No.110
http://www.iau.org/static/publications/IB110.pdf
[tennet:9946] 北京総会のIAU決議案

- ・optical & IR bands
- ・re-definition of AU
- ・NEO early warning
- ・restructuring Divisions

・Division Structureの変更

12 Divisions 9 Divisions

Division I Fundamental Astronomy
Division II Sun & Heliosphere
Division III Planetary Systems Sciences
Division IV Stars
Division V Variable Stars
Division VI Interstellar Matter
Division VII Galactic System
Division VIII Galaxies & the Universe
Division IX Optical & Infrared Techniques
Division X Radio Astronomy
Division XI Space & High Energy Astrophysics
Division XII Union-Wide Activities

Division A Space and Time Reference Systems
Division B Facilities, Technologies, & Data Management
Division C Education, Outreach, & Heritage
Division D High Energies & Fundamental Physics

Division E Sun & Heliosphere
Division F Planetary Systems & Bioastronomy
Division G Stars & Stellar Physics
Division H Interstellar Matter & Local Universe
Division J Galaxies & Cosmology

Division Presidents & Vice Presidents

Division A: Space and Time Reference Systems
P: Sergei Klioner (Germany)
VP: Jacques Laskar (France)

Division B: Facilities, Technologies and Data Science
P: David Silva (USA)
VP: Pietro Ubertini (Italy)

Division C: Education, Outreach and Heritage
P: Mary Kay Hemenway (USA)
VP: Hakim Malasan (Indonesia)

Division D: High Energies and Fundamental Physics
P: Diana Worrall (UK)
VP: Felix Aharonian (Ireland/Germany)

Division E: Sun and Heliosphere
P: Lidia van Driel (UK)
VP: Yuhua Yan (China)

Division F: Planetary Systems and Bioastronomy
P: Giovanni Valsecchi (Italy)
VP: Nader Haghighipour (USA)

Division G: Stars and Stellar Physics
P: Ignasi Ribas (Spain)
VP: Corinne Charbonnel (France)

Division H: Interstellar Matter and Local Universe
P: Ewine van Dishoek (Netherlands)
VP: Joss Bland-Hawthorn (Australia)

Division J: Galaxies and Cosmology
P: Françoise Combes (France)
VP: Thanu Padmanabhan (India)

Invited Discourses

ID1 “The Zoo of Galaxies”
Karen Masters (Univ. Portsmouth, UK)

ID2 “Type Ia Supernovae, the Accelerating Cosmos and Dark Energy”
Brian Schmidt (ANU, Australia)

ID3 “The Herschel View of Star Formation”
Philippe André (CEA Saclay, France)

ID4 “Past, Present and Future of Chinese Astronomy”
Cheng Fang (Nanjing Univ. China)

IAU Symposia

IAUS 288 Astrophysics from Antarctica
SOC: Takashi Ichikawa (Japan)
IAUS 289 Advancing the physics of cosmic distances

IAUS 290 Feeding compact objects: Accretion on all scales
SOC: Ken Ebisawa (Japan)
IAUS 291 Neutron stars and pulsars: Challenges and opportunities after 80 Years
SOC: Shinpei Shibata (Japan)
IAUS 292 Molecular Gas, Dust, and Star Formation in Galaxies
SOC: Yasuo Fukui (Japan)
IAUS 293 Formation, detection, and characterisation of extrasolar habitable planets
SOC: Shigeru Ida (Japan)
IAUS 294 Solar and astrophysical dynamos and magnetic activity
SOC: Takashi Sekii (Japan)
IAUS 295 The intriguing life of massive galaxies

One plenary session for each of the 8 symposia (8:30-10:00)

Plenary Sessions

IAUS 288 Astrophysics from Antarctica,
John Storey (U. New South Wales)

IAUS 289 The Cosmic Distance Scale: Past, Present and Future,
Wendy Freedman (Carnegie Institution)

IAUS 290 Probing General Relativity using Accreting Black Holes,
Andrew Fabian (U. Cambridge)

IAUS 291 Three talks by Scott Ransom, Nanda Rea, Michael Kramer

IAUS 292 From Gas to Stars over Cosmic Time,
Mordecai-Mark Mac Low (American Museum of Natural History)

IAUS 293 The Kepler Mission: NASA's ExsoEarth Census,
Nader Haghighipour (NASA Ames)

IAUS 294 The Origin and Evolution of Cosmic Magnetism
Bryan Gaensler (U. Sydney)

IAUS 295 Black Holes in Galaxies,
John Kormendy (U.Texas at Austin)

Joint Discussions

JD1 The highest-energy gamma-ray universe observed with Cherenkov telescope arrays
SOC: Aya Bamba (Japan), Tadayasu Dotani (Japan)

JD2 Very massive stars in the local universe

JD3 3-D views of the cycling Sun in stellar context

JD4 Ultraviolet emission in early-type galaxies

JD5 From meteors and meteorites to their parent bodies: Current status and future developments
SOC: Jun-ichi Watanabe(Chair) Sho Sasaki (Japan), Mitsuru Soma (Japan), Hitoshi Yamaoka (Japan), Makoto Yoshikawa (Japan), Hajime Yano (Japan), Masateru Ishiguro (Republic of Korea), Daisuke Kinoshita (China Taipei)

JD6 The connection between radio properties and high-energy emission in AGNs
SOC: Seiji Kameno (Japan), Lukasz Stawarz (Japan)

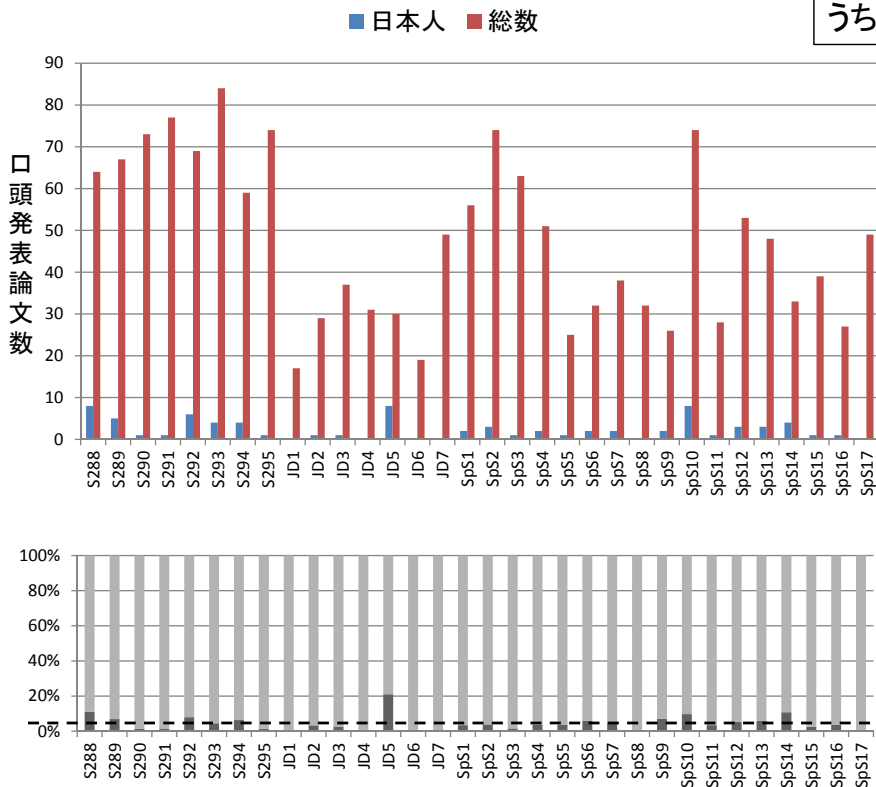
JD7 Space-time reference systems for future research

Special Sessions (1)

SpS1 Origin and complexity of massive star clusters
SpS2 Cosmic evolution of groups and clusters of galaxies
SpS3 Galaxy evolution through secular processes
SpS4 New era for studying interstellar and intergalactic magnetic fields
SpS5 The IR view of massive stars: the main sequence and beyond
SpS6 Science with large solar telescopes
SOC: Saku Tsuneta (Japan)
SpS7 The impact hazard: current activities and future plans
SOC: M. Yoshikawa (Japan)
SpS8 Calibration of star-formation rate measurements across the electromagnetic spectrum
SpS9 Future Large Scale Facilities (27-28 August)
SOC: M. Iye - NAOJ, Japan

Special Sessions (2)

SpS10 Dynamics of the star-planet relations
SOC: Kazunari Shibata (Japan)
SpS11 IAU Strategic Plan and the Global Office of Astronomy for Development
SOC: Kaz Sekiguchi (Japan)
SpS12 Modern views of the interstellar medium
SOC: Keiichi Wada (Japan)
SpS13 High-precision tests of stellar physics from high-precision Photometry
SpS14 Communicating astronomy with the public for scientists
SOC: Kaz Sekiguchi (Japan)
SpS15 Data intensive astronomy
SOC Chair: Masatoshi Ohishi (Japan)
SpS16 Unexplained spectral phenomena in the interstellar medium
SOC: Takashi Onaka (Japan)
SpS17 Light Pollution: Protecting Astronomical Sites and Increasing Global Awareness through Education
SpS18 "Hot Topics" for each week
Contact: Thierry Montmerle, AGS montmerle@iap.fr

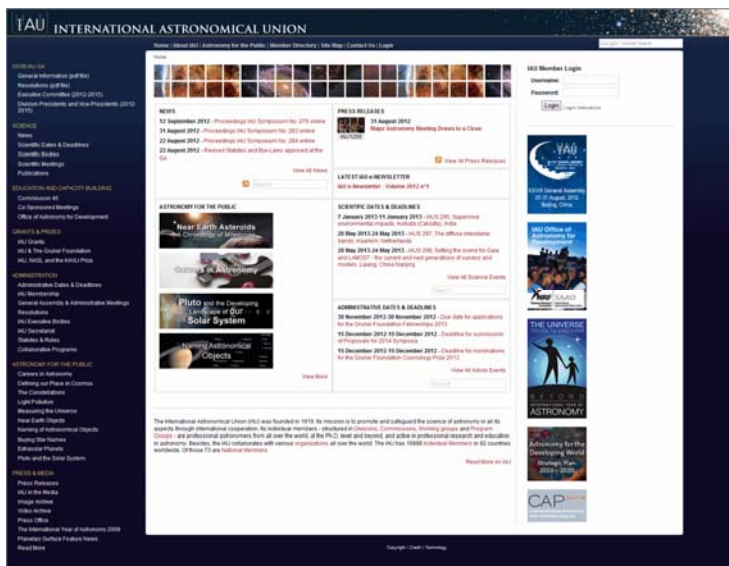
論文総数　1527
うち日本人　76 (5.0%)

この数字はProgram Bookに記載されたデータをもとにしたものです。最終的には、口頭発表は1940件、うち日本人は90件となったそうです。(LOC報告)
(2012/10/29追記)

IAUについてもっと知りたい人のために

参考:天文月報特集記事「IAUとの関わりを考える」

(1)「会員数3位の大国に」　2010年11月号
(2)「IAUの戦略プラン2010-2020」　2010年12月号
(3)「2009年リオデジャネイロ総会報告」　2011年 1月号

IAUのホームページ

http://www.iau.org/

様々な情報があり、
頻繁にupdateされている